

RESPONSE UNDER 37 C.F.R. §1.116 - EXPEDITED RESPONSE

By: Yasushi KANEKO et al.

Serial No. 08/981,654

Amendments to the Claims:

Although there are no amendments to the claims, this listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Amended): A liquid crystal shutter comprising:

A liquid crystal device including a nematic liquid crystal sealed in between a first transparent substrate and a second transparent substrate on whose inner surfaces are formed respective transparent electrodes, said liquid crystal device having a twisted angle of greater than 180° and less than or equal to 260°; and

a pair of polarizing plates between which are sandwiched said first transparent substrate and said second transparent substrate, said polarizing plates having respective absorption axes which are orthogonal to each other, said absorption axes of said polarizing plates being angled with a range of $\pm 40^\circ$ to $\pm 50^\circ$ relative to a direction in which intermediate liquid crystal molecules are orientated, said direction indicating a direction of orientation of said liquid crystal in an intermediate portion in a direction of thickness of said liquid crystal device;

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wherein said liquid crystal device performs white display utilizing birefringence of said liquid crystal when voltage is not applied thereto, and performs black display when driven by applying DC or AC voltage of 10 to 20V, and birefringence of said liquid crystal device is nullified when said voltage is applied to said liquid crystal device.

2. (Cancelled).

3. (Original): A liquid crystal shutter according to claim 1, wherein

$\Delta n d$ lies within a range of 600 to 900 nm, said $\Delta n d$ being the product of a birefringence Δn of said nematic liquid crystal and a gap d between said first transparent substrate and said second transparent substrate.

4.-18. (Canceled).